

Report of Analysis

Client:	PSEG	Date Collected:	01/10/25
Project:	Trenton Gas District	Date Received:	01/10/25
Client Sample ID:	TR-06-1-10-2025	SDG No.:	Q1068
Lab Sample ID:	Q1068-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/13/25 08:55	01/13/25 14:34	PB166034

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.1		1	1.98	2.21	mg/kg FE051899.D
Aliphatic C9-C28	Aliphatic C9-C28	19.9		1	1.90	4.41	mg/kg FE051899.D
Total AliphaticEPH	Total AliphaticEPH	46.0			3.88	6.62	mg/kg
Total EPH	Total EPH	46.0			3.88	6.62	mg/kg

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051899.D	1	01/13/25	01/13/25	PB166034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	19.9		1.90	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.1		1.98	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.7		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.3		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1068-01	Acq On:	13 Jan 2025 14:34
Client Sample ID:	TR-06-1-10-2025	Operator:	YP\AJ
Data file:	FE051899.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.465	7.055	1601600	14.062	300	ug/ml
Aliphatic C12-C16	7.056	10.481	6734992	54.343	200	ug/ml
Aliphatic C16-C21	10.482	13.843	13799478	104.524	300	ug/ml
Aliphatic C21-C28	13.844	17.498	12719176	97.098	400	ug/ml
Aliphatic C28-C40	17.499	22.531	38732404	354.872	600	ug/ml
Aliphatic EPH	3.465	22.531	73587650	624.9		ug/ml
ortho-Terphenyl (SURR)	12.152	12.152	5122092	35.34		ug/ml
1-chlorooctadecane (SURR)	13.578	13.578	4558674	39.67		ug/ml
Aliphatic C9-C28	3.465	17.498	34855246	270.027	1200	ug/ml